

FIBER-REINFORCED RESIN STRUCTURAL BODY AND MANUFACTURE OF THE SAME

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Abstract of JP 2001062932 (A)

PROBLEM TO BE SOLVED: To provide a manufacturing method of an FRP structural body consisting of a sandwich structure, which permits the impregnation of a synthetic resin uniformly and easily in a short period of time even when the objective of molding is the molded form of a large-size FRP structural body and which permits the development of characteristics of a high strength and a high coefficient of elasticity, which are possessed by a reinforcing fibers, sufficiently while excellent in the workability of molding.; **SOLUTION:** A laminate, constituted of a first reinforcing fiber substrate layer 3, a core material layer 4 and a second reinforcing fiber substrate layer 3, is laminated sequentially on the surface of a molding mold 1 provided with the passage groove 2 of a synthetic resin and, further, a resin diffusing medium 6 is arranged on the laminate, then, the whole of them are covered by a bag film 8 and, subsequently, the inside of the bag film is evacuated to impregnate matrix resin into the reinforcing fiber substrate layer of the laminate simultaneously through the passage groove 2 of the molding mold and the resin diffusing medium 6 whereby the first and second reinforcing fiber substrate layer 3 and the core material layer 4 are integrated.

